



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090191

Mode: Highway

Status: Submitted

NC-73

From/Cross Street: NC 211

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#: R-2807

Fully Funded in Draft STIP? No

Cost to NCDOT: \$1,780,000

Description:

Improve Intersection

Division(s): Division 8

County(s): MOORE

MPOS(s)/RPO(s): Triangle Area RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 20.54

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 33.01	Percent: 15%	Percent: 15%
Safety (10%) 50.00	Points: 0	Points: 0
[Travel Time] Benefit/Cost (25%) 24.85		
Accessibility / Connectivity (10%) 10.72		
Totals: Weight: 70% Weighted Score: 20.54		

Division Needs Total Score: 66.57

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 33.01	Percent: 25%	Percent: 25%
Safety (10%) 50.00	Points: 100	Points: 100
[Travel Time] Benefit/Cost (20%) 24.85		
Totals: Weight: 50% Weighted Score: 16.57		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	0.5
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	14153.69
Capacity:	31054.31
Volume/Capacity Ratio:	0.46
% Autos:	93%
% Trucks:	7%
Truck Volume:	1015.47
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	66.7
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	23
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	73
Actual Congested Speed:	34.01
Travel Time Index:	1.62

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	0.5
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	1952000
Travel Time Savings for 30 Years (Autos):	1811952.53
Travel Time Savings for 30 Years (Trucks):	140047.47
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Triangle Area RPO	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$1,400,000	TIP Unit
Right-of-Way Cost:	\$380,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$1,780,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$1,780,000	